Form PTO-1449 (Modified) Page 1 of 12	<b>ATTY DOCKET NO.</b> B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS	APPLICANTS Daniel F. Sievenpiper	
STATEMENT	PILING DATE November 14, 2003	GROUP 2832

U.S. PATENT DOCUMENTS EXAMINER ISSUE NAME CLASS SUB-FILING DATE DOCUMENT NUMBER or 102(e) DATE IF APPROPRIATE DATE CLASS INITIAL 32 10/786,736 11/04 Schaffner et al. 333 2/24/2004 10/792,411 Sievenpiper 343 700MS 3/2/2004 10/792,412 Sievenpiper 3/2/2004 10/836,966 702 Sievenpiper 343 4/30/2004 757 10/844,104 Sievenpiper 8/11/2004 12/04 3 4*3* 2001/0035801 A1 11/2001 Gilbert 333 126 2002/0036586 Al 3/2002 Gothard et al. 342 374 2003/0122721 A1 7/2003 Sievenpiper 343 767 2003/0227351 A1 12/2003 Sievenpiper 333 105 3,267,480 8/1966 Lerner 343 911 3,560,978 2/1971 Himmel et al. 343 106 3,810,183 Krutsinger et al. 5/1974 343 708 3,961,333 6/1976 Purinton 343 872

EXAMINER	DATE CONSIDERED
Manshada	2/22/05

Tang et al.

343

854

8/1977

not considered. Include copy of this form with next communication to applicant.

4,045,800

Form PTO-1449 (Modified) Page 2 of 12	<b>ATTY DOCKET NO.</b> B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	PILING DATE November 14, 2003	<i>GROUP</i> 2832

U.S. PATENT DOCUMENTS BXAMINER ISSUE NAME CLASS SUB-FILING DATE DOCUMENT NUMBER or 102(e) DATE IF APPROPRIATE DATE CLASS INITIAL 4,051,477 9/1977 Murphy et al. 343 700 MS  $\mathcal{D}\mathcal{I}$ 4,119,972 10/1978 Fletcher et al. 343 844 4,123,759 10/1978 Hines et al. 342 854 4,124,852 11/1978 Steudel 343-854 4,127,586 11/1978 Rody et al. 250 <del>300 B</del> 4 12/1979 4,150,382 King 343 754 4,173,759 11/1979 Bakhru 343 100 4,189,733 2/1980 Malm 343 100 3A 4,217,587 8/1980 Jacomini 343 100 33 March and 4,220,954 9/1980 343 4,236,158 11/1980 Daniel 1<del>00 L</del>E 343 4,242,685 12/1980 Sanford 343 770 4,266,203 5/1981 Saudreau et al. 333 21 A 4,308,541 12/1981 Seidel et al. 343 786 4,367,475 1/1983 Schiavone 343 767 4,370,659 1/1983 Chu et al. 772 343 4,387,377 6/1983 Kandler 343 756 4,395,713 7/1983 Nelson et al. 343 713 4,443,802 4/1984 Mayes 729 343 4,590,478 5/1986 Powers et al. 700 MS 343

EXAMINER A	PATE CONSIDERED	
han talanta	2/22/05	
EXMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with most compunication to applicant.		

Form PTO-1449 (Modified) Page 3 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	GROUP 2832

PATENT DOCUMENTS U.S. EXAMINER ISSUE NAME CLASS SUB-FILING DATE DOCUMENT NUMBER or 102(e) DATE IF APPROPRIATE CLASS DATE INITIAL 770 4,594,595 6/1986 Struckman 343 DI 770 4,672,386 6/1987 Wood 343 4,684,953 8/1987 Hall 343 725 Milne 343 837 4,700,197 10/1987 Nagy et al. 343 712 4,737,795 4/1988 STELLE ELA! 700 MS 333/1.1 4,749,966 6/1988 343 4,760,402 7/1988 Mizuno et al. 343 713 795 343 4,782,346 11/1988 Sharma 4,803,494 2/1989 Norris et al. 343 770 700 MS 4,821,040 4/1989 Johnson et al. 343 5/1989 Johnson et al. 343 713 4,835,541 4,843,400 6/1989 Tsao et al. 343 700 MS 767 4,843,403 6/1989 Lalezari et al. 343 8/1989 Diaz et al. 343 767 4,853,704 4,903,033 2/1990 Tsao et al. 343 700 MS 909 4,905,014 2/1990 Gonzalez et al. 343 770 4,916,457 4/1990 Foy et al. 343 4,922,263 5/1990 Dubost et al. 343 797 9/1990 Axford et al. 343 770 4,958,165 700 MS 5,021,795 6/1991 Masiulis 343

Z EXAMINSB	DATE CONSIDERED	
Non tokare	2/22/05	
ELAKINER: Initial if reference considered, whether or not citation is in conformance with MMEF 508; Draw line through citation if not in conformance and not remaided. Include conv. of this form with make communication to applicant.		

Form PTO-1449 (Modified) Page 4 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	PILING DATE November 14, 2003	<i>GROUP</i> 2832

PATENT U.S. DOCUMENTS EXAMINER ISSUE NAME CLASS SUB-FILING DATE DOCUMENT NUMBER DATE or 102(e) DATE IF APPROPRIATE CLASS INITIAL Kreinheder et al. 5,023,623 6/1991 DI 343 725 5,070,340 12/1991 Diaz 343 767 5,081,466 1/1992 Bitter, Jr. 343 767 5,115,217 5/1992 McGrath et al. 333 246 5,146,235 9/1992 343 895 Frese 5,158,611 10/1992 Ura et al. 106 499 5,235,343 8/1993 Audren et al. 343 816 5,268,696 12/1993 Buck et al. 342 372 5,268,701 12/1993 Smith 343 767 5,287,118 2/1994 Iwasaki et al. 343 700 MS 5,287,118 2/1994 Budd 343 909 5,402,134 3/1995 Miller et al. 343 742 5,406,292 4/1995 Schnetzer et al. 343 700 MS 5,519,408 5/1996 Schnetzer 343 767 5,525,954 6/1996 Komazaki et al. 333 219 5,531,018 7/1996 Saia et al. 29 622 5,532,709 7/1996 Talty 343 819 5,534,877 7/1996 Sorbello et al. 343 700 MS 5,541,614 7/1996 Lam et al. 343 792.5 5,557,291 9/1996 Chu et al. 343 725

SXAMINER .	PATE CONSIDERED	
Non Talanta	2/22/05	
EXMINER! Initial if reference considered, whether or not citation is in conformance with MPFF 609: Draw line through citation if not in conformance and not considered. Include comp of this form with next commiscation to applicant.		

Form PTO-1449 (Modified) Page 5 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS	APPLICANTS Daniel F. Sievenpiper	
STATEMENT	PILING DATE November 14, 2003	<b>GROUP</b> 2832

U.S. PATENT DOCUMENTS ISSUE FILING DATE EXAMINER NAME CLASS SUB-DOCUMENT NUMBER or 102(e) DATE CLASS INITIAL DATE IF APPROPRIATE 5,581,266 12/1996 Peng et al. 343 770 TG Yandrofski et al. 5,589,845 12/1996 343 909 5,611,940 3/1997 Zettler 73 514.16 5,638,946 6/1997 Zavracky 200 181 5,644,319 7/1997 Chen et al. 702 343 700 MS 5,694,134 12/1997 Barnes 343 5,721,194 2/1998 Yandrofski et al. 505 210 Pritchett 5,767,807 6/1998 342 374 5,808,527 9/1998 333 De Los Santos 205 5,874,915 2/1999 Lee et al. 342 375 5,892,485 4/1999 Glabe et al. 343 789 Lee et al. 4/1999 770 5,894,288 343 5,905,465 5/1999 Olson et al. 343 700 MS 5,923,303 7/1999 Schwengler et al. 343 853 7/1999 5,926,139 Korisch 343 702 5,929,819 7/1999 Grinberg 343 754 5,943,016 8/1999 Synder, Jr. et al. 700 MS 343 5,945,951 8/1999 Monte et al. 700 MS 343 5,949,382 9/1999 Quan 343 767 5,966,096 10/1999 343 700 MS Brachat

EXAMINER	DATE CONSIDERED	
Non Tatouta	2/22/05	
EXAMINER. Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include comp of this form with mast communication to applicant.		

Form PTO-1449 (Modified) Page 6 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS	APPLICANTS Daniel F. Sievenpiper	
STATEMENT	FILING DATE November 14, 2003	<i>GROUP</i> 2832

U.S. PATENT DOCUMENTS FILING DATE or 102(e) DATE IF APPROPRIATE CLASS EXAMINER ISSUE. NAME SUB-DOCUMENT NUMBER DATE CLASS INITIAL Haub et al. 5,966,101 10/1999 343 767 DI 6,005,519 12/1999 Burns 343 700 MS 700 MS 6,005,521 12/1999 Suguro et al. 343 6,008,770 12/1999 767 Sugawara 343 6,016,125 702 4/2000 Johansson 343 6,028,561 2/2000 Takei 343 767 6,034,644 3/2000 Okabe et al. 343 767 6,034,655 3/2000 345 60 You 6,037,905 3/2000 Koscica et al. 343 701 6,040,803 3/2000 Spall 343 700 MS 6,046,655 4/2000 Cipolla 333 137 6,046,659 4/2000 Loo et al. 333 362 6,054,659 4/2000 Lee et al. 200 181 5/2000 Jackson et al. 6,061,025 343 700 MS 6,075,485 4/2000 Lilly et al. 343 700 MS 6,081,235 6/2000 Romanofsky, et al. 343 700 MS 6/2000 6,081,239 Sabet et al. 343 753 6,097,263 8/2000 Mueller et al. 333 17.1 6,097,343 8/2000 Goetz et al. 708 343 6,118,406 9/2000 Josypenko 343 700 MS

EXAMINE	PATE CONSIDERED
Dean Talanca	2/22/05
EXAMPLES. Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and	

Form PTO-1449 (Modified) Page 7 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper	
	FILING DATE November 14, 2003	<i>GROUP</i> 2832

U.S. PATENT DOCUMENTS EXAMINER FILING DATE CLASS SUB-ISSUE NAME DOCUMENT NUMBER or 102(e) DATE IF APPROPRIATE CLASS DATE INITIAL 6,118,410 9/2000 343 713 Nagy 6,127,908 10/2000 Bozler et al. 333 246 6,150,989 11/2000 Aubry 343 767 6,154,176 11/2000 Fathy et al. 343 700 MS 6,166,705 12/2000 Mast et al. 343 853 1/2001 6,175,337 B1 Jasper, Jr. et al. 343 770 6,175,723 B1 1/2001 Rothwell, III 455 63 . 6,188,369 B1 2/2001 Okabe et al. 343 767 6,191,724 B1 2/2001 McEwan 342 21 6,198,438 B1 3/2001 Herd et al. 343 700 MS 6,198,441 B1 3/2001 Okabe et al. 343 702 6,204,819 Bl 3/2001 Hayes et al. 343 702 6,218,912 Bl 4/2001 Mayer 333 106 6,218,997 B1 4/2001 Lindenmeier et al. 343 725 6,246,377 B1 6/2001 Aiello et al. 343 700 6,252,473 B1 6/2001 Ando 333 105 6,285,325 B1 9/2001 Nalbandian et al. 700 MS 343 6,307,519 B1 10/2001 Livingston et al. 343 767 6,317,095 B1 11/2001 Teshirogi et al. 343 785 6,323,826 B1 11/2001 343 909 Sievenpiper et al.

EXAMINER	DATE CONSIDERED	
Wan Talonta	2/22/05	
MATINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609, Draw line through citation if not in conformance and		

EXMINER: Initial if reference considered, whether or not citation is in conformance with MPZP 609; Draw II not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified) Page 8 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528	
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper		
	PILING DATE November 14, 2003	<i>дкопр</i> 2832	

	<u> </u>			u.s.	PATENT	DOCUMENTS
EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLAS S	SUB- CLASS	FILING DATE or 102(e) DATE IF APPROPRIATE
DT	6,331,257 B1	12/2001	Loo et al.	216	13	
	6,366,254 B1	4/2002	Sievenpiper et al.	343	300-7	10
	6,373,349 B2	4/2002	Gilbert	333	126	
	6,380,895 B1	4/2002	Moren et al.	343	700 MS	
	6,388,631 B1	5/2002	Livingston et al.	343	767	
	6,392,610 B1	5/2002	Braun et al.	343	876	
	6,404,390 B2	6/2002	Sheen	343	700 MS	
	6,404,401 B2	6/2002	Gilbert et al.	343	780	
	6,407,719 B1	6/2002	Ohira et al.	343	893	
	6,417,807 B1	7/2002	Hsu et al.	343	700 MS	
	6,426,722 B1	7/2002	Sievenpiper et al.	343	700 MS	
	6.440,767 Bl	8/2002	Loo et al.	438	52	
	6,473,362 B1	10/2002	Gabbay	367	119	
	6,483,480 B1	11/2002	Sievenpiper et al.	343	909	
À	6,496,155 B1	74/2002	Sievenpiper et al.	343	770	
	6,515,635 B2	Z4/2003	Chiang et al.	343	834	
	6,518,931 B1	2/2003	Sievenpiper	343	20077	0
	6,538,621 B1	3/2003	Sievenpiper et al.	343	909	
V	6,552,696 B1	4/2003	Sievenpiper et al.	343	909	

EXAMINES	PATE CONSIDERED	
Donn talonda	2/12/05	
AMMINIRI Initial if reference considered, whether or not citation is in conformance with MPEP 1991 Draw line through citation if not in conformance and		

Form PTO-1449 (Modified) Page 9 of 12	<b>ATTY DOCKET NO.</b> B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528
LIST OF PATENTS AND PUBLICATIONS	APPLICANTS Daniel F. Sievenpiper	
STATEMENT	PILING DATE November 14, 2003	group 2932

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
Di	196 00 609 A1	4/1997	DE	4104	1/165	abstract
	0 539 297	4/1993	EP	HOIQ	7/00	abstract
	1 158 605 A1	11/2001	EP	HOIQ	13/10	
	2 785 476	5/2000	FR	140413	7/02	abstract
	1,145,208	3/1969	GB	HIGH	51/28	
	2 281 662	3/1995	GB	HOIQ	13/08	
	2 328 748	3/1999	GВ	GOIS	13/93	
	61-260702	11/1986	JР	HOIQ	3/24	abstract
	94/00891	1/1994	WO	HOIQ	15/00	
	96/29621	9/1996	WO	602B	5/20	
	98/21734	5/1998	wo	HOI H	59/00	abstract
	99/50929	10/1999	WO	HOI Q	1/38	
	00/44012	7/2000	WO	HOI H	1/00	abstract
V	01/31737	5/2001	wo	HOIQ	1/36	

DATE CONSIDERED
2/22/05

Form PTO-1449 (Modified) Page 10 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528	
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper		
	FILING DATE November 14, 2003	<i>GROUP</i> 2832	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
Ta	Balanis, C., "Aperture Antennas," Antenna Theory, Analysis and Design, 2nd Edition, Ch. 12, pp 575-597 (1997).		
	Balanis, C., "Microstrip Antennas," Antenna Theory, Analysis and Design, 2nd Edition, Ch. 14, pp 722-736 (1997).		
	Bialkowski, M.E., et al., "Electronically Steered Antenna System for the Australian Mobilesat," <i>IEE ProcMicrow. Antennas Propag.</i> , Vol. 143, No. 4, pp 347-352 (August 1996).		
	Bradley, T.W., et al., "Development Of A Voltage-Variable Dielectric (VVD), Electronic Scan Antenna," Radar 97, Publication No. 449, pp. 383-385 (October 1997).		
	Chen, P.W., et al., "Planar Double-Layer Leaky Wave Microstrip Antenna, " IEEE Transactions on Antennas and Propagation, Vol. 50, pp. 832-835 (2002).		
	Chen, Q., et al., "FDTD diakoptic design of a slop-loop antenna excited by a coplanar waveguide," Proceedings of the 25th European Microwave Conference 1995, Vol. 2, Conf. 25, pp 815-819 (September 4, 1995).		
	Cognard, J., "Alignment of Nematic Liquid Crystals and Their Mixtures," Mol. Cryst Liq., Cryst. Suppl. 1, pp 1-74 (1982).		
	Doane, J.W., et al., "Field Controlled Light Scattering from Nematic Microdroplets," Appl. Phys. Lett., Vol. 48, pp 269-271 (January 1986).		
	Ellis, T.J., et al., "MM-Wave Tapered Slot Antennas on Micromachined Photonic Bandgap Dielectrics," 1996 IEEE MTT-S International Microwave Symposium Digest, Vol. 2, pp. 1157-1160 (1996).		
	Grbic, A., et al., "Experimental Verification of Backward Wave Radiation From A Negative Refractive Index Metamaterial," Journal of Applied Physics, Vol. 92, No.10, pp. 5930-5935 (November 15, 2002).		
	Hu, C.N., et al., "Analysis and Design of Large Leaky-Mode Array Employing The Coupled-Mode Approach," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 49, No. 4, pp. 629-636 (April 2001).		
	Jablonski, W., et al., "Microwave Schottky Diode With Beam-Lead Contacts," 13th Conference on Microwaves, Radar and Wireless Communications, MIKON-2000, Vol. 2, pp. 678-681 (2000).		
	Jensen, M.A., et al., "EM Interaction of Handset Antennas and a Human in Personal Communications," Proceedings of the IEEE, Vol. 83, No. 1, pp 7-17 (January 1995).		
V	Jensen, M.A., et al., "Performance Analysis of Antennas for Hand-held Transceivers Using FDTD," IEEE Transactions on Antennas and Propagation, Vol. 42, No. 8, pp 1106-1113 (August 1994).		

EXAMINER	DATE CONSIDERED
Dan Takanta	2/22/05
XMINER: Initial if reference considered, whether or not citation is	in conformance with MPEP 608: Draw line through citation is nor to conformance and

Form PTO-1449 (Modified) Page 11 of 12	<b>ATTY DOCKET NO.</b> B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528	
LIST OF PATENTS AND PUBLICATIONS STATEMENT	APPLICANTS Daniel F. Sievenpiper		
	PILING DATE November 14, 2003	GROUP 2832	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
Ta	Lee, J.W., et al., "TM-Wave Reduction From Grooves In A Dielectric-Covered Ground Plane," IEEE Transactions on Antennas and Propagation," Vol. 49, No.1, pp.104-105 (January 2001).
	Linardou, I., et al., "Twin Vivaldi Antenna Fed By Coplanar Waveguide," Electronics Letters, Vol. 33, No. 22, pp 1835-1837 (1997).
	Malherbe, A., et al., "The Compensation of Step Discontinues in TEM-Mode Transmission Lines," IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-26, No.11, pp. 883-885 (November 1978).
	Maruhashi, K., et al., "Design and Performance of a Ka-Band Monolithic Phase Shifter Utilizing Nonresonant FET Switches," IEEE Transactions on Microwave Theory and Techniques, Vol. 48, No. 8, pp. 1313-1317 (August 2000).
	Perini, P., et al., "Angle and Space Diversity Comparisons in Different Mobile Radio Environments," IEEE Transactions on Antennas and Propagation, Vol. 46, No. 6, pp 764-775 (June 1998).
	Ramo, S., et al., Fields and Waves in Communication Electronics, 3rd Edition, Sections 9.8-9.11, pp 476-487 (1994).
	Rebeiz, G.M., et al., "RF MEMS Switches and Switch Circuits," IEEE Microwave Magazine, pp. 59-71 (December 2001).
	Schaffner, J., et al., "Reconfigurable Aperture Antennas Using RF MEMS Switches for Multi-Octave Tunability and Beam Steering," IEEE Antennas and Propagation Society International Symposium, 2000 Digest, Vol. 1 of 4, pp 321-324 (July 16, 2000).
	Semouchkina, E., et al., "Numerical Modeling and Experimental Study of A Novel Leaky Wave Antenna," Antennas and Propagation Society, IEEE International Symposium, Vol. 4, pp. 234-237 (2001).
	Sievenpiper, D., et al., "Eliminating Surface Currents With Metallodielectric Photonic Crystals," 1998 MTT-S International Microwave Symposium Digest, Vol. 2, pp. 663-666 (June 7, 1998).
	Sievenpiper, D., et al., "High-Impedance Electromagnetic Surfaces with a Forbidden Frequency Band," <i>IEEE Transactions on Microwave Theory and Techniques</i> , Vol. 47, No. 11, pp 2059-2074 (November 1999).
	Sievenpiper, D., et al., "High-Impedance Electromagnetic Surfaces," Ph.D. Dissertation, Dept. Of Electrical Engineering, University of California, Los Angeles, CA, pp. i-xi, 1-150 (1999).
1	Sievenpiper, D., et al., "Low-Profile, Four Sector Diversity Antenna On High-Impedance Ground Plane," <i>Electronics Letters</i> , Vol. 36, No. 16, pp. 1343-1345 (August 3, 2000).

EXAMINER	DATE CONSIDERED
Man Tolowson	2/22/05

EXAMINENT Initial if reference considered, whether or not citation is in conformance with PFF 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 (Modified) Page 12 of 12	ATTY DOCKET NO. B-4345CIP 621324-5	U.S. SERIAL NO. 10/714,528	
LIST OF PATENTS AND PUBLICATIONS	APPLICANTS Daniel F. Sievenpiper		
STATEMENT	FILING DATE November 14, 2003	GROUP 2832	

## OTHER DOCUMENTS (Including Author, Title, Date, Fertinent Pages, Etc.)

DT	Sor, J., et al., " A Reconfigurable Leaky-Wave/Patch Microstrip Aperture For Phased-Array Applications," IEEE Transactions on Microwave Theory and Techniques, Vol. 50, No. 8, pp. 1877-1884 (August 2002).
	Vaughan, Mark J., et al., *InP-Based 28 Gh, Integrated Antennas for Point-to- Multipoint Distribution, *Proceedings of the IEEE/Cornell Conference on Advanced Concepts in High Speed Semiconductor Devices and Circuits, pp. 75-84 (1995).
	Vaughan, R., "Spaced Directive Antennas for Mobile Communications by the Fourier Transform Method," IEEE Transactions on Antennas and Propagation, Vol. 48, No. 7, pp 1025-1032 (July 2000).
	Wang, C.J., et al., "Two-Dimensional Scanning Leaky Wave Antenna by Utilizing the Phased Array," IEEE Microwave and Wireless Components Letters, Vol. 12, No. 8, pp. 311-313, (August 2002).
	Wu, S.T., et al., "High Birefringence and Wide Nematic Range Bis-Tolane Liquid Crystals," Appl. Phys. Lett., Vol. 74, No. 5, pp 344-346 (January 18, 1999).
	Yashchyshyn, Y., et al., "The Leaky-Wave Antenna With Ferroelectric Substrate,' 14th International Conference on Microwaves, Radar and Wireless Communications, MIKON-2002, Vol. 2, pp. 218-221 (2002).
<b>\</b>	Yang, Hung-Yu David, et al., "Theory of Line-Source Radiation From A Metal- Strip Grating Dielectric-Slab Structure," <i>IEEE Transactions on Antennas and Propagation</i> , Vol. 48, No. 4, pp. 556-564 (2000).

~ / EXAMINER	PATE CONSIDERED	
Nem takonda	2/22/05	
RYAMINER: Initial if reference considered whether or not of	tation is in conformance with MPEP 609. Draw line	

sacrines: initial if reference considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include comy of this form with next communication to applicant.